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Repository Resources

1. Code Repositories

1. Primary

Bitbucket https://bitbucket.org/	© Bitbucket
Code Ocean https://codeocean.com/	CODE OCEAN
Docker Hub https://hub.docker.com/	docker
GitHub https://github.com/	GitHub

2. Secondary

Assembla https://www.assembla.com/home/	ASSEMBLA
CloudForge http://www.cloudforge.com/	CloudForge by CollabNet
LaunchPad https://launchpad.net/	aunchpad
ProjectLocker http://projectlocker.com/	ProjectLocker
Sourceforge https://sourceforge.net/	sourceforge

2. Data-type Agnostic Repositories

1. Primary

Dataverse https://dataverse.harvard.edu/	Dataverse Project
dbGaP https://www.ncbi.nlm.nih.gov/gap	db GaP
Dryad http://datadryad.org/	DRYAD
Figshare https://figshare.com/	figshare

2. Secondary

DataONE https://www.dataone.org/	Data
PANGAEA https://www.pangaea.de/	PANGAEA.

3. Biomedical Data-specific Repositories

1. Sequencing Databases

EMBL http://www.ebi.ac.uk/	EMBL
ENA http://www.ebi.ac.uk/ena	European Nucleotide Archive
GOLD https://gold.jgi.doe.gov/	JGI GOLD GENOMES ONLINE DATABASE
NCBI Genome Database https://www.ncbi.nlm.nih.gov/genome/	National Center for Biotechnology NCBI Information
SRA https://www.ncbi.nlm.nih.gov/sra	(III) Sequence Read Archive

2. Gene Expression

ArrayExpress https://www.ebi.ac.uk/arrayexpress/	
BioGPS http://biogps.org/	BIOGPS
Gene Expression Omnibus https://www.ncbi.nlm.nih.gov/geo/	Gene Expression Omnibus
GTEx Portal https://www.gtexportal.org/home/	GTEX
SAGE http://www.sagenet.org/	Serial Analysis of Gene Expression

3. Protein Structure Databases

CATH http://www.cathdb.info/	CATH PROTEIN STRUCTURE CLASSIFICATION
PDB https://www.wwpdb.org/	WORLDWIDE PROTEIN DATA BANK

PRIDE https://www.ebi.ac.uk/pride/archive/	PRIPE
SCOP http://scop.mrc-lmb.cam.ac.uk/scop/	STRUCTURAL CLASSIFICATION OF PROTEINS

4. Proteomics Databases

jPost http://jpostdb.org/	JPOST Repository/Database Japan Proteome Standard Repository/Database
MassIVE http://massive.ucsd.edu/ProteoSAFe/static/massive.jsp	Mass Spectrometry Interactive Virtual Environment
Peptide Atlas http://www.peptideatlas.org/	Peptide Atlas

5. Pathway Databases





KEGG http://www.genome.jp/kegg/pathway.html	Kypto Encyclopedia of Genomes:
MetaCyc https://metacyc.org/	METACYC [™]
SEED http://www.theseed.org/wiki/Main_Page	The SEED. Home of the SEED.

6. Regulatory Databases

CisRED http://www.cisred.org/	cis RED
JASPAR http://jaspar.genereg.net/	a Lagrangian San San San San San San San San San S
ORegAnno http://www.oreganno.org/	open regulatory annotation database
Transfac http://genexplain.com/transfac/	TRANSFAC

7. Variant Databases

dbSNP https://www.ncbi.nlm.nih.gov/projects/SNP	dbSNP Short Genetic Variations
dbVar https://www.ncbi.nlm.nih.gov/dbvar *Phasing out 9/1/17	
DGV http://dgv.tcag.ca/dgv/app/home	\mathcal{D} atabase of \mathcal{G} enomic \mathcal{V} ariants
DGVA http://www.ebi.ac.uk/dgva	$\mathcal{DGV}a^{rchive}$
European Variation Archive http://www.ebi.ac.uk/eva/	
HGVD http://www.hgvd.genome.med.kyoto- u.ac.jp/	
OMIM https://www.omim.org/ https://www.ncbi.nlm.nih.gov/omim	OMIM

8. Micro-RNA Databases

miRBase http://www.mirbase.org/	
TICEP. IT WWW.TIII DUSC.O. 91	miRBase
	minduse

miRDB http://www.mirdb.org/	miRDB
miRTarBase http://mirtarbase.mbc.nctu.edu.tw/	miRTarBase
TargetScan http://www.targetscan.org/vert_71/	TargetScan Prediction of microRNA targets

9. Interaction Databases

BIND http://http//binddb.org	BUND
BioGRID https://thebiogrid.org/	BioGRID
DIP http://dip.doe-mbi.ucla.edu/dip/Main.cgi	Database of Interacting Proteins
IntAct http://www.ebi.ac.uk/intact/	Int Act
MINT http://mint.bio.uniroma2.it/	MINT Beta Version

10. Single Cell Sequencing Databases

awesome-single-cell https://github.com/seandavi/awesome-single-cell	
Jingle Bells http://jinglebells.bgu.ac.il/	JingleBells
Novogene https://en.novogene.com/	Nevogene
scRNASeqDB https://bioinfo.uth.edu/scrnaseqdb/	SCRNASeqDB
The Lair http://pachterlab.github.io/lair/	

11. Metabolomics Databases

GNPS http://gnps.ucsd.edu/ProteoSAFe/static/gnps-splash.jsp	GNPS: Global Natural Products Social Molecular Networking
MetaboLights http://www.ebi.ac.uk/metabolights/	MetaboLights MetaboLights
Metabolomics Workbench http://www.metabolomicsworkbench.org/	Netabolomics Norkbench

12. Epigenetics Databases

DeepBlue http://deepblue.mpi-inf.mpg.de/	DeepBlue EPIGENOMIC DATA SERVER
IHEC Data Portal http://epigenomesportal.ca/ihec/	International Human Epigenome Consortium
ROADMAP Epigenomics http://egg2.wustl.edu/roadmap/web_portal/	ROADMAP EPIGENOMICS PROJECT
The Epigenome Atlas http://www.genboree.org/epigenomeatlas/index.rhtml	Human Epigenome Atlas